

# **AVerMedia® AVerVision330**

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## **User Manual**



**AVerMedia**

**AVerMedia®**  
Digital Document Camera



P/N 300AACDA  
Made in Taiwan

**FCC NOTICE (Class B)**

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial, industrial or business environment. This equipment can generate, use and radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**CAUTION ON MODIFICATIONS**

To comply with the limits for the Class B digital device, pursuant to Part 15 of the FCC Rules, this device must be installed in computer equipment certified to comply with the Class B limits. All cables used to connect the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may result in interference to radio or television reception.

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

**CE NOTICE**

This is a Class B product.

**DISCLAIMER**

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THE MARK OF CROSSED-OUT WHEELED BIN INDICATES THAT THIS PRODUCT MUST NOT BE DISPOSED OF WITH YOUR OTHER HOUSEHOLD WASTE. INSTEAD, YOU NEED TO DISPOSE OF THE WASTE EQUIPMENT BY HANDING IT OVER TO A DESIGNATED COLLECTION POINT FOR THE RECYCLING OF WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT. FOR MORE INFORMATION ABOUT WHERE TO DROP OFF YOUR WASTE EQUIPMENT FOR RECYCLING, PLEASE CONTACT YOUR HOUSEHOLD WASTE DISPOSAL SERVICE OR THE SHOP WHERE YOU PURCHASED THE PRODUCT.

### **Battery Safety Information**

- Store the batteries in a cool dry place.
- Do not dispose of used batteries in domestic waste. Dispose of batteries at special collection points or return to point of sale if applies.
- Remove the batteries during long periods of non-use. Always remove exhausted batteries from the remote control. Battery leakage and corrosion can damage this remote control, dispose of batteries safely.
- Do not mix old and new batteries.
- Do not mix different types of batteries: alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium).
- Do not dispose of batteries in a fire. The batteries may explode or leak.
- Never short circuit the battery terminals.

### **Remote Control Laser Safety Information**

CAUTION: Laser beam is emitted when the laser button of the remote control is pressed. DO NOT look from the front of the remote control. DO NOT face toward a person or a mirror.

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## Introduction

Thank you for purchasing the AVerMedia® AVerVision330. This document camera displays any documents, negatives, transparencies and 3D objects onto a TV, LCD or DLP projector making product demonstration a snap.

The AVerVision330's advanced features make it a versatile and multifunctional product. You can think of it as a document camera, USB card reader/writer, digital camera and USB PC web cam all rolled into a single handy and compact device. Bundled with it, is a remote control, which has a laser pointer, built right into it making it easy for you to highlight or point out key areas in your presentation. All these features make the AVerVision330 an ideal device for business, academic, medical and the scientific community.

## Package Contents

Your AVerMedia® AVerVision330 package contains the following:



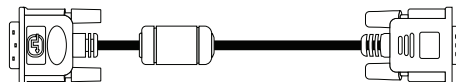
AVerMedia® AVerVision330



RCA Cable



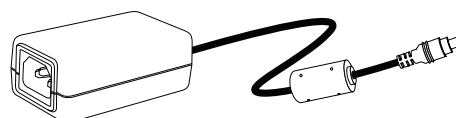
S-Video Cable



DVI-RGB Cable



USB Cable



Power Adapter



Power Cord

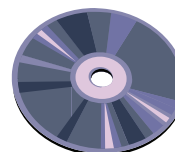
\* The power cord varies depending on the standard power outlet of the country where it is sold.



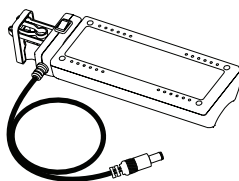
User Manual



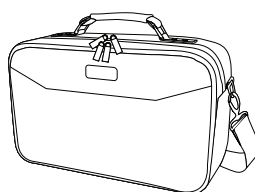
Remote Control  
(batteries included)



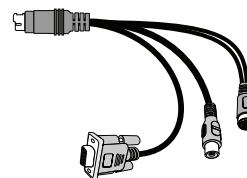
Installation CD



LED Lamp

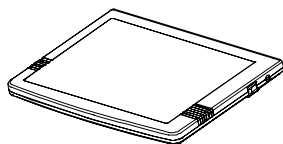


Carrying Case

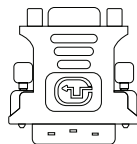


Mini Din-9pin to S-Video/Composite/RS-232  
Adapter

## Optional Accessories



Light Box



DVI/VGA Adapter



Microscope Adapter  
(28mm)



Microscope Adapter  
(34mm)

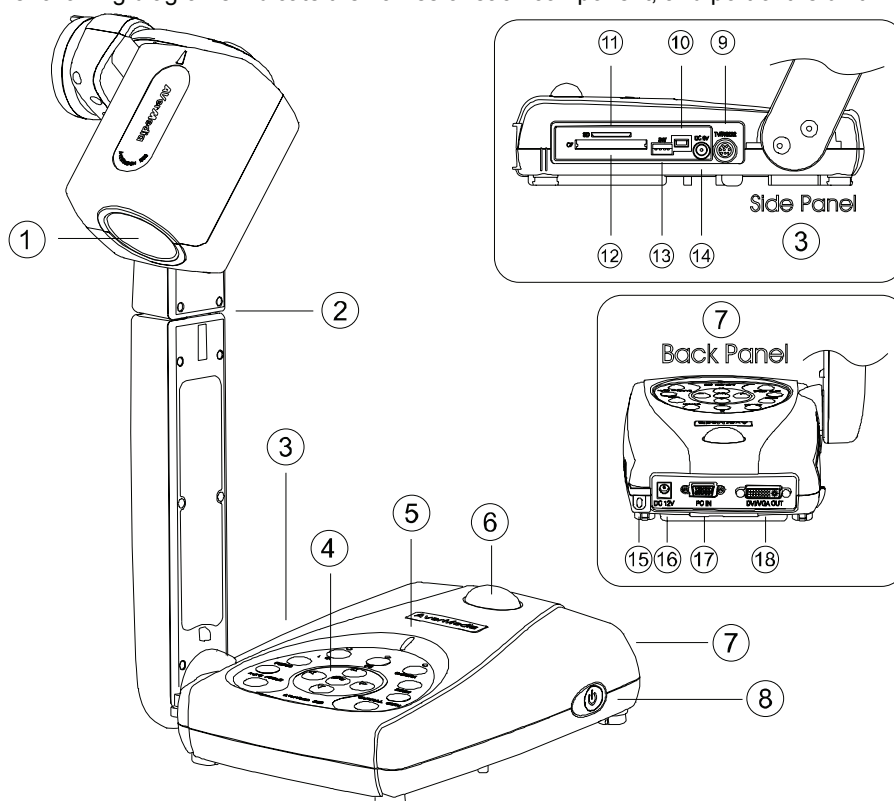
\* Required to view slide, transparencies and film or to display negative film as positive image.

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## Parts of the AVerMedia® AVerVision330

The following diagrams indicate the names of each component, and port of the unit.

1. Camera Lens
2. Extendable Arm
3. Side Panel
4. Control Panel
5. LED
6. IR Remote Sensor
7. Back Panel
8. Power
9. TV/ RS-232 Port
10. USB Port
11. SD Card Slot
12. CF Card Slot
13. DIP switch
14. DC 6V (output)
15. Security Slot
16. DC 12V (input)
17. PC IN Port
18. DVI/VGA OUT Port



## Technical Specification

### Image

Pick-up Device	1/3" progress scan CCD
Effective Pixels	790K 1024 (H) x 768 (V)
Frame Rate	20 fps
White Balance (RGB Output only)	Auto/Manual
Exposure (RGB output only)	Auto/ Manual/ Flicker / Night View
Image mode	Text/ Graphics/ Microscope
Effect	Color/ B/W / Negative/ Mirror/ Rotate
Analog RGB output	XGA 75 Hz; SVGA 75 Hz
S-Video, C-Video Output	NTSC/ PAL

### Optics

Lens	F1.8-2.7 AF
Shooting Area	380mm x 285mm (max.); 40mm x 30mm (min.)
Zooming	Optical: 5x, Digital: 8x (Accelerated)
Focusing	Auto/ Manual
Power Source	100-220V ~ 1.8A, 50-60 Hz
Consumption	15 Watts (lamp off); 30Watts (Lamp on)

### Lighting

Lamp type	LED lamp
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### Input

VGA Input	15-Pins D-sub (VGA)
RS232	9-Pins D-Sub Female

### Output

VGA Output	DVI to 15pin D-sub (VGA) Cable
DVI	DVI-I Type Female
S-Video	Mini-DIN Jack
Composite Video	RCA Jack
USB	USB Mini B Type
DC 6V Output	Power Jack

### Dimension

Operating	220mm x 140mm x 500mm
Folded	380mm x 170mm x 55mm
Weight	2 kg (about 4.4 lb) w/o Light Module

### Card Supported

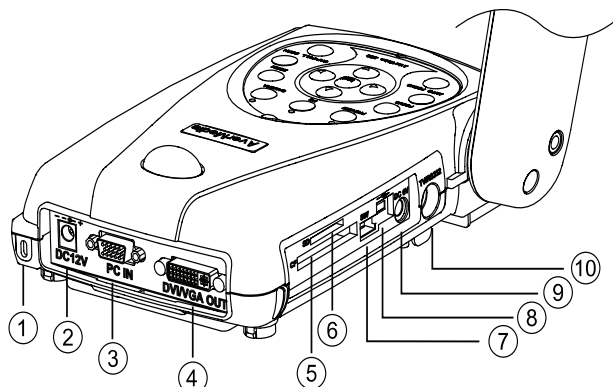
Secure Digital (SD)	16~512MB
Compact Flash (CF)	16~512MB



## Hardware Installation and Setup

### Connection Ports

The ports on the back and side panel of the AVerVision330 are for connecting the unit to a computer, graphics display monitor or LCD/ DLP projector, TV and other devices. Illustrated below are the ports that are located at the back and side panel of the AVerVision330 with their corresponding labels.



Port	Description
1. Security Slot	: Connect a Kensington compatible security lock to this slot.
2. DC 12 V (input)	: Plug the power adapter in to this Port.
3. PC IN Port	: Connect the AVerVision330 to the VGA output port of the computer. This enables you to input computer video signal and pass it through to the DVI/VGA out port.
4. DVI/VGA OUT	: Connect it to a VGA/ Mac monitor, LCD/DLP projector, or high-end projector with DVI interface to display your presentation.
5. CF Card Slot	: Insert the CF card with the label facing up.
6. SD Card Slot	: Insert the SD card with the label facing up.
7. DIP Switch	: Allows you to set the DIP switch configuration settings.
8. USB Port	: This port enables you to use AVerVision330 as a card reader/writer or PC web cam.
9. DC 6V (output)	: Plug the light module or the optional light box in to this port.
10. TV/RS-232	: Connect the Mini Din 9-Pin to S-Video/ Composite/ RS-232 Adapter to this port. The s-video and composite connectors enable you to output your video camera or preview a picture from a memory card on your TV. Note: The RS-232 adapter allows you to control the AVerVision330 using a computer through an RS-232 connection. Refer to the RS-232 control instructions on your CD for more information.

### Setting the DIP Switch

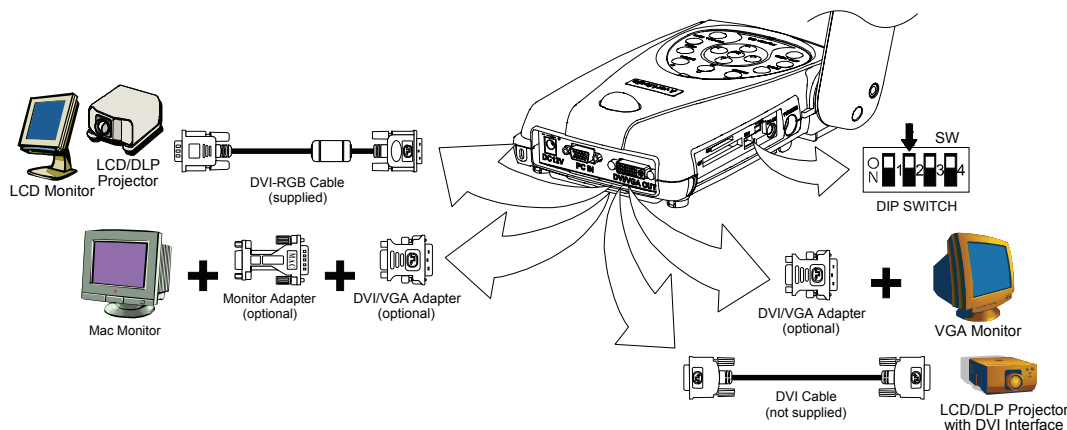
The chart below tells you how to set the DIP switch. Turn the power off before changing the DIP switch setting.



DIP Switch	1 (TV SYSTEM)	2 (VIDEO OUTPUT)	3 - 4 (ENGINEERING PORT)
UP	NTSC	RGB	Default
DOWN	PAL	TV	X

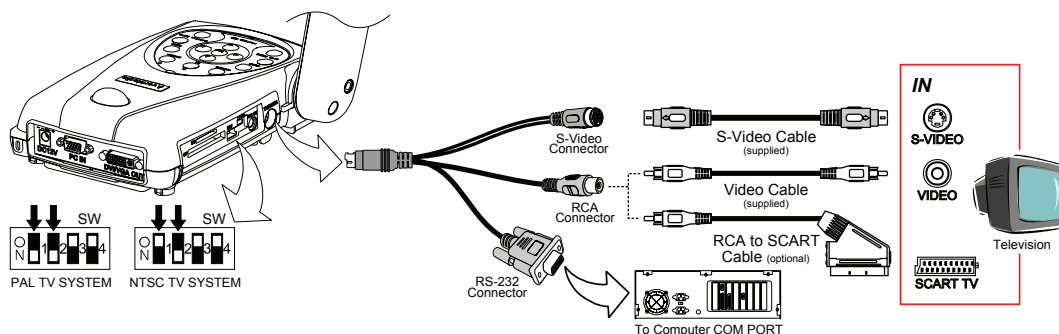
### Connecting a VGA, Mac Display Monitor or LCD/DLP Projector

To display a presentation using a DVI/VGA or any graphics display monitor, set the DIP switch no. 2 to the UP position.



## Connecting a TV

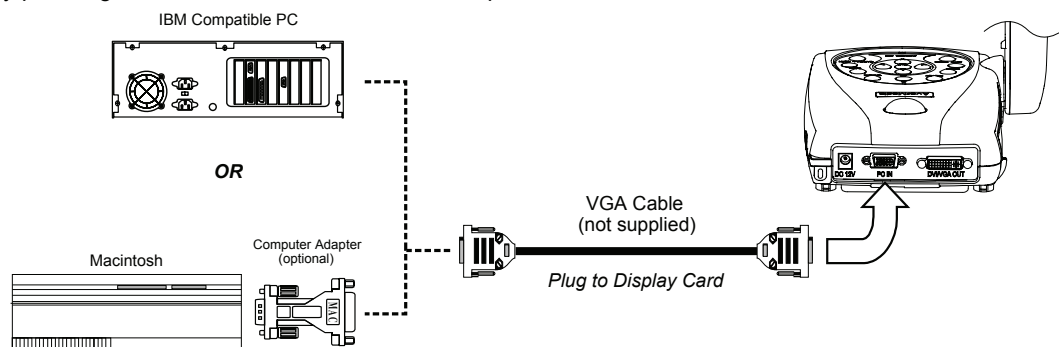
To display a presentation on TV, set the DIP switch no. 1 to the TV system that you have (UP for NTSC and DOWN for PAL) and DIP switch no. 2 to the DOWN position. If you are using a SCART RGB monitor, set the DIP switch no. 1 to the DOWN position for PAL TV system. (The SCART RGB Cable is provided as an optional accessory cable with the AVerVision330.)



Note: The RS-232 adapter allows you to control AVerVision330 using a computer through an RS-232 connection. Refer to the RS-232 control.

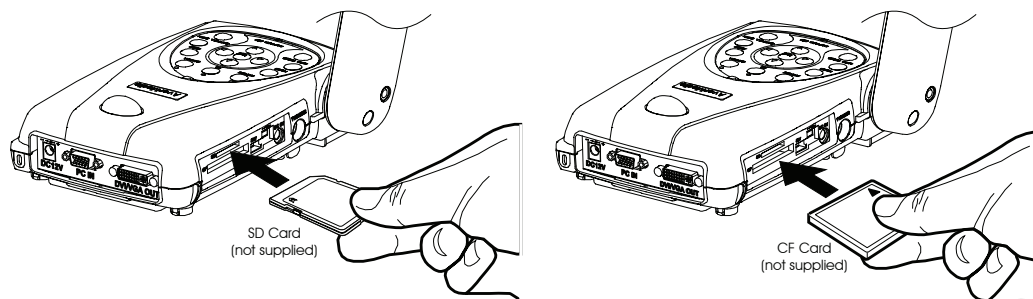
## Connecting an IBM Compatible PC or Macintosh Computer

You can connect the AVerVision330 to an IBM compatible PC, Macintosh, or notebook (laptop) computer. After physically connecting the unit to your PC, you can display an image on your computer by pressing the **PC** button on the unit's control panel or remote control.

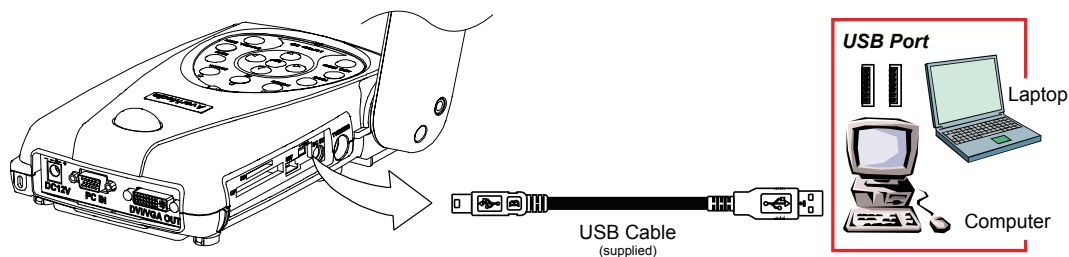


## Inserting and Ejecting the Memory Card

Insert the card fully with the label facing up until it reaches the end. To remove, pull the card out. We highly recommend formatting the memory card with the AVerVision330.



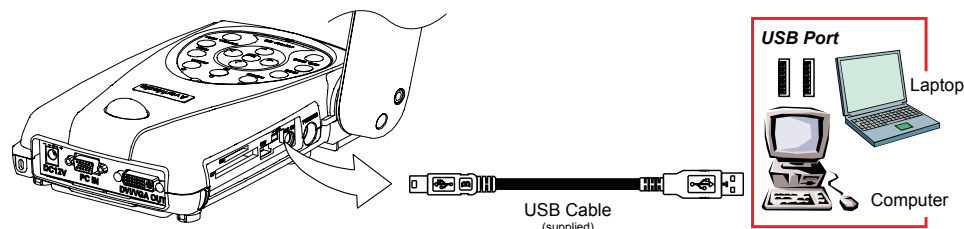
## Transferring the Pictures to a Computer via USB Connection



Computer Operating System	Requirement
Windows 2000 SP4 and XP SP1	No driver is required. Plug the AVerVision330 into an available USB port. A new disk icon appears on your system.
Windows Me and 98/98SE	You need to install the driver before connecting the unit to the computer USB port. Insert the Driver CD in the CD-ROM drive. The installation main screen will automatically appear and then click <b>Install</b> . (For detailed mass storage driver installation procedure, see the instruction provided in the CD and click <b>User Manual</b> .)

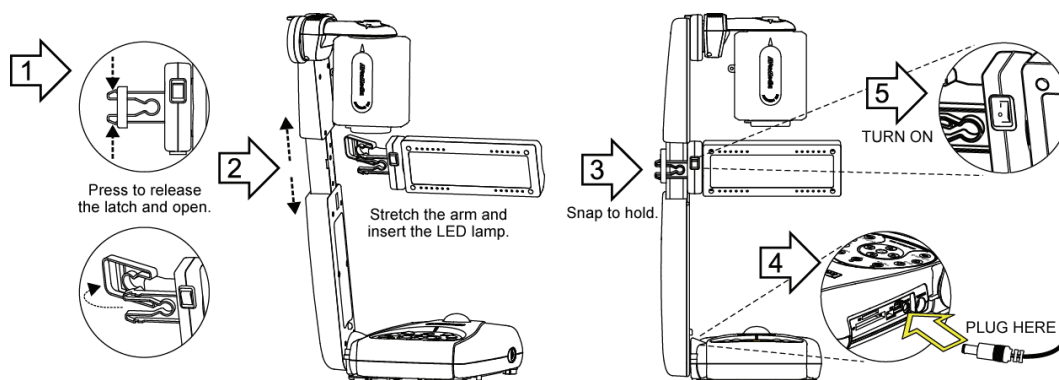
## Using AVerVision330 as USB PC Cam

For detailed PC Cam driver installation procedures, see the instruction provided in the CD and click **User Manual**.



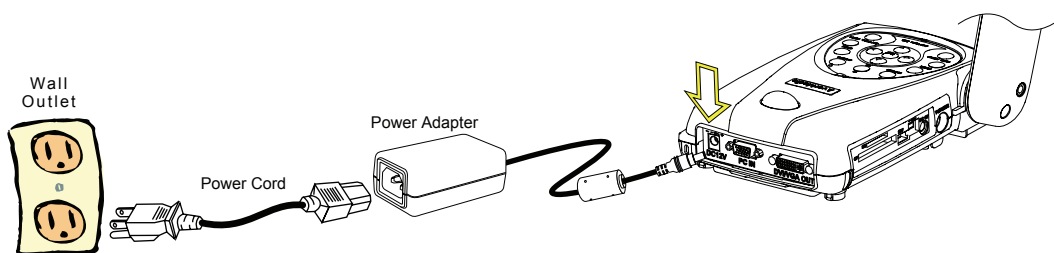
## Installing the LED Lamp

To ensure adequate lighting, focus the light towards the object to balance the distribution or range of luminance for better image projection.



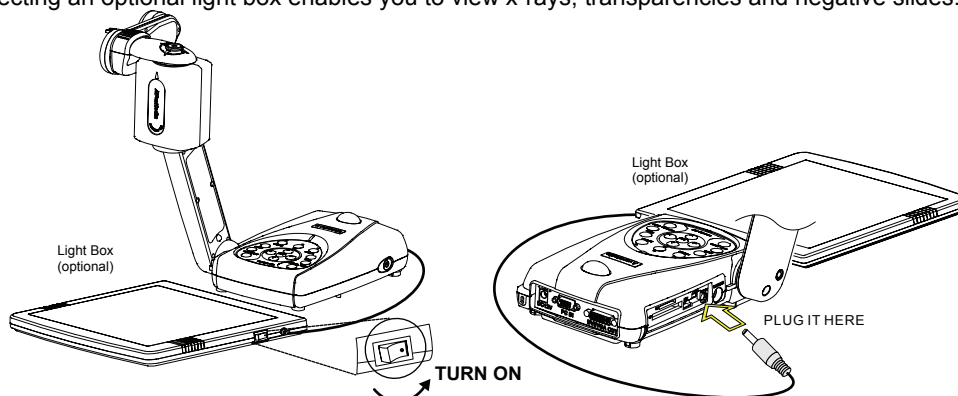
## Connecting the Power Adapter

Use a standard 100V~240V AC power source.



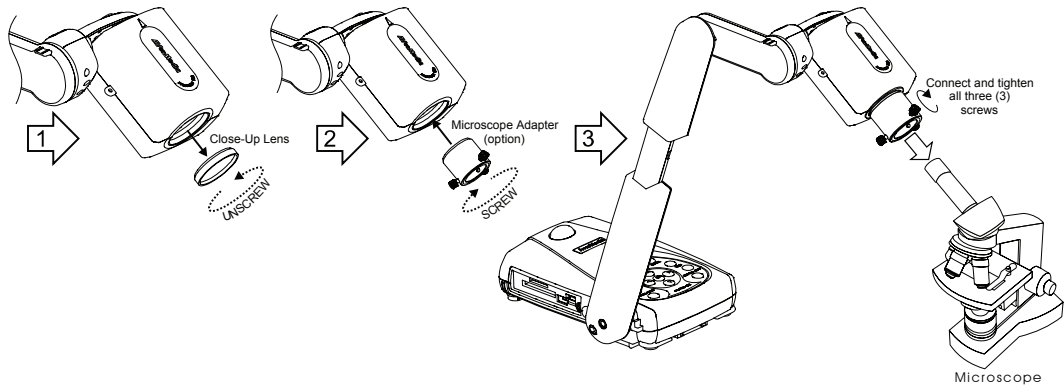
## Installing the Optional Light Box

Connecting an optional light box enables you to view x-rays, transparencies and negative slides.



## Connecting to a Microscope

Connecting the AVerVision330 to a Microscope enables you to examine microscopic objects on a big screen without straining your eyes. To view microscopic images, you must set the unit to microscope mode, and then adjust the microscope for a clearer image.

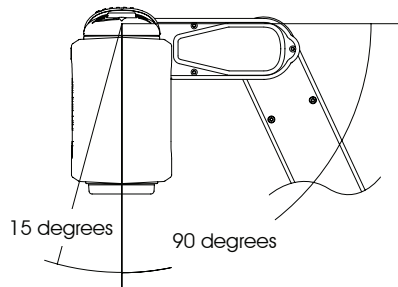


## Making the Adjustments

This section describes how you can adjust the AVerVision330 to meet your needs.

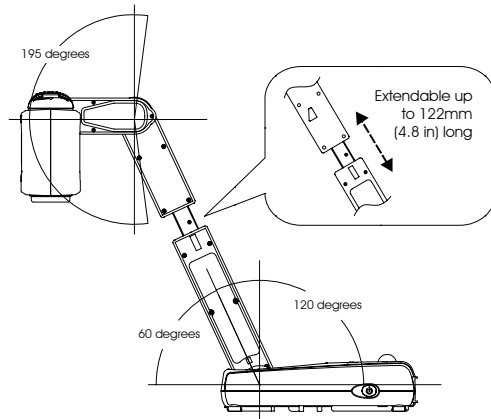
### Camera head

The camera head can be rotated 125 degrees from left to right. As you rotate the camera head, the camera adjusts the focus automatically.



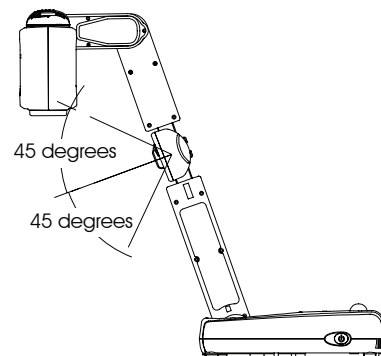
### Mechanical Arm

The mechanical arm is designed to move from almost any angle. Follow the illustrated safety procedure to adjust.



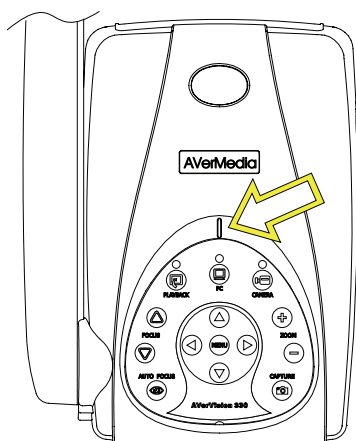
### LED Lamp

Carefully adjust the light towards the object.



## LED Panel

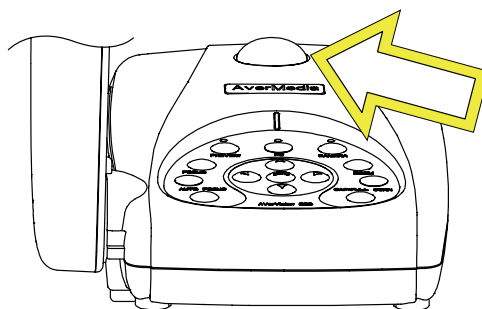
The chart below indicates the different status of AVerVision330.



Color	Description
Green	The unit is powered on.
Red	The unit is in standby mode.

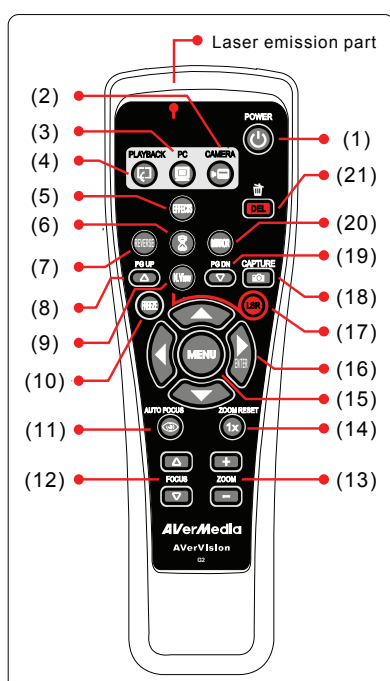
## Infrared Sensor

When using the remote control, aim it at the Infrared Sensor, which is located at the front panel of the AVerVision330.



## Using the Infrared Remote Control






















Use the AVerVision330 Remote Control to enhance your presentation, switch between (3) three presentation modes and access additional features. To use the remote control, first insert the batteries (2 size "AAA" batteries are provided) into the battery compartment at the back of the remote. Use the figure and descriptions below to help you use the remote control.



Name	Button	Function
(1) POWER		Turn the unit on/off.
(2) CAMERA MODE		Switch to Camera mode and display the image from the AVerVision330's built-in CCD camera.
(3) PC MODE		Switch to PC mode and display the video signal from the RGB input port.
(4) PLAYBACK MODE		Switch to Playback mode and toggle to display 16-thumbnail images or the selected image from the memory source.



To switch to other memory source, AVerVision330 must be in camera mode then press **MENU > ADVANCED > MEMORY > TYPE** > select the source and press (►ENTER) > press **MENU** to exit.

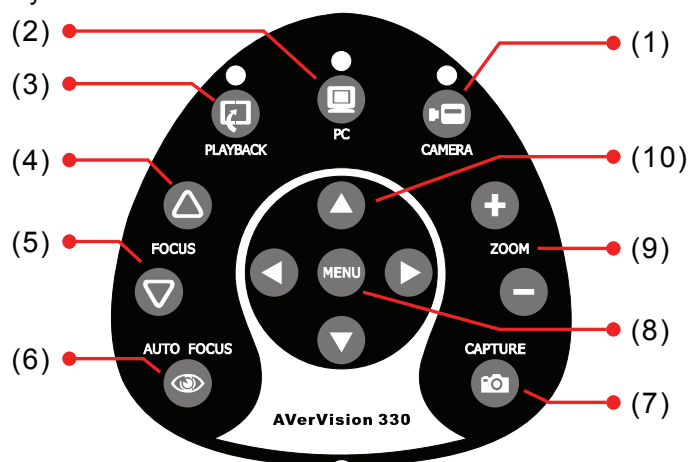
Name	Button	Function
(5) EFFECTS		Convert and display the video in BW, Negative or Color. (camera mode only)
(6) TIMER		Display, start and hide the on-screen display timer. You can toggle to display or hide the remaining time when the timer countdown has started. (See Timer Function for more details)
(7) REVERSE		Rotate the image by 180°. (camera mode only)
(8 & 19) PAGE UP/DOWN	PG UP  PG DN 	Display the previous and next set of 16-thumbnail images.
(9) NIGHT VIEW		Turn on/off Night View. Use Night View when you are presenting in a low-light condition. The captured image however, appears in slow motion.
(10) FREEZE		Toggle to pause or resume the camera.
(11) AUTO FOCUS		Adjust the focus automatically.
(12) FOCUS $\Delta$ / $\nabla$	 FOCUS 	Adjust the focus manually.
(13) ZOOM +/-	 ZOOM 	<ul style="list-style-type: none"> <li>- Zoom in and zoom out the picture digitally in Playback mode.</li> <li>- Zoom in and zoom out the image optically and digitally in Camera mode. When it reaches the maximum optical zoom level of about 5 times, you can still continue to digitally zoom in the image up to 800%.</li> </ul>
 The image may appear blurry when optically zooming the image in and out. After achieving the desired magnification, the camera automatically adjusts the focus and the image will become clear again.		
(14) ZOOM RESET		Return to normal view (1x).
(15) MENU		Call up and exit the OSD main and sub-menu.
(16) $\blacktriangle$ $\blacktriangledown$ $\blacktriangleleft$ $\blacktriangleright$ (ENTER)		<ul style="list-style-type: none"> <li>- Use <math>\blacktriangle</math>, <math>\blacktriangledown</math>, <math>\blacktriangleleft</math> and <math>\blacktriangleright</math> ENTER) to make a selection and adjustment. And use <math>\blacktriangleright</math> ENTER) to enter sub-menu. (See Menu Functions, for more details)</li> <li>- Use <math>\blacktriangle</math>, <math>\blacktriangledown</math>, <math>\blacktriangleleft</math> and <math>\blacktriangleright</math> ENTER) to make a selection in 16-thumbnail images and press  to view the selected image.</li> </ul>
(17) LASER		Turn on the laser pointer.  <b>DO NOT</b> look directly at the laser pointer and avoid aiming the laser at any surface that may reflect the beam (i.e., a mirror or mirrored surface).
(18) CAPTURE		Photograph an image. The captured image is automatically stored in the memory source at 1024 x 768 resolution.
(20) MIRROR		Flip the image in Camera mode.



Name	Button	Function
(21) DELETE		Remove the selected picture permanently in Playback mode.

## Touch Button Control Panel

The touch button control panel located on the top side of AVerVision330 provides quick access to commonly used functions.



Name	Button	Function
1 CAMERA MODE		Switch to Camera mode and display the image from the AVerVision330's built-in digital video camera.
2 PC MODE		Switch to PC mode and display the video signal coming from the PC IN port.
3 PLAYBACK MODE		Switches to Preview mode and displays 16-thumbnail pictures from the memory card source. It only displays AVerVision330's photographed image or 1024 x 768 image resolutions. Note: Use the JPEG Converter application to convert any JPEG file to a format that is supported by the AVerVision330.
4 FOCUS △ / ▽		Press △ or ▽ to manually adjust the focus.
5 AUTO FOCUS		Automatically adjust the focus.
6 CAPTURE		- In Camera mode, press to photograph an image. If there is an available memory card in the slot, the captured image is stored in the memory card automatically and saved in 1024 x 768 resolution.
7 & 9 MENU/ ◀▶▶▶		- Press MENU to call the OSD menu and then use the ▲, ►, ▼ and ◀ to make a selection and adjustment. (Refer to the section, Menu Functions, for more details.) - In Preview mode, use the ▲, ►, ▼ and ◀ to make a selection and then press <b>CAP/FULL SCRNR</b> button.
8 ZOOM +/-		In Preview mode, press "+" or "-" to digitally zoom in and zoom out the picture. In Camera mode, press "+" or "-" to optically zoom in and zoom out the image. When the bar at the lower right corner of the screen reaches the maximum level of magnification about 500%, you can still continue to digitally zoom in the image up to 800%. Note: The image may appear blurry when optically zooming the image in and out. After achieving the desired magnification, the camera adjusts the focus automatically and the image becomes clear again. When you digitally zoom, the image appearance will degrade.




## Timer Function

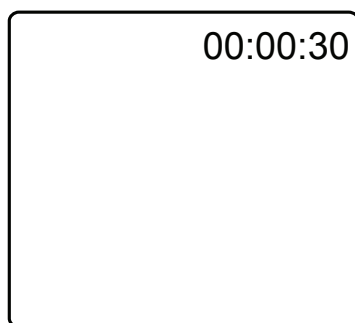
The AVerVision330 enables you to control the pace of your presentation by displaying the remaining time on the countdown screen. This merely serves as a reminder. When the time is up, the timer blinks at the top right corner of the screen and the presentation screen will not be affected in any way.

### To Set the Timer:

1. Press **MENU** to view on screen function selections.
2. Press **▲** or **▼** buttons to select **TIMER**.
3. Press **▶** or **◀** buttons to set a time value. You can set the time value up to 120 minutes.
4. After setting the time value, press the **MENU** button to go back to the main menu and exit.

### To View and Start the Timer Countdown:

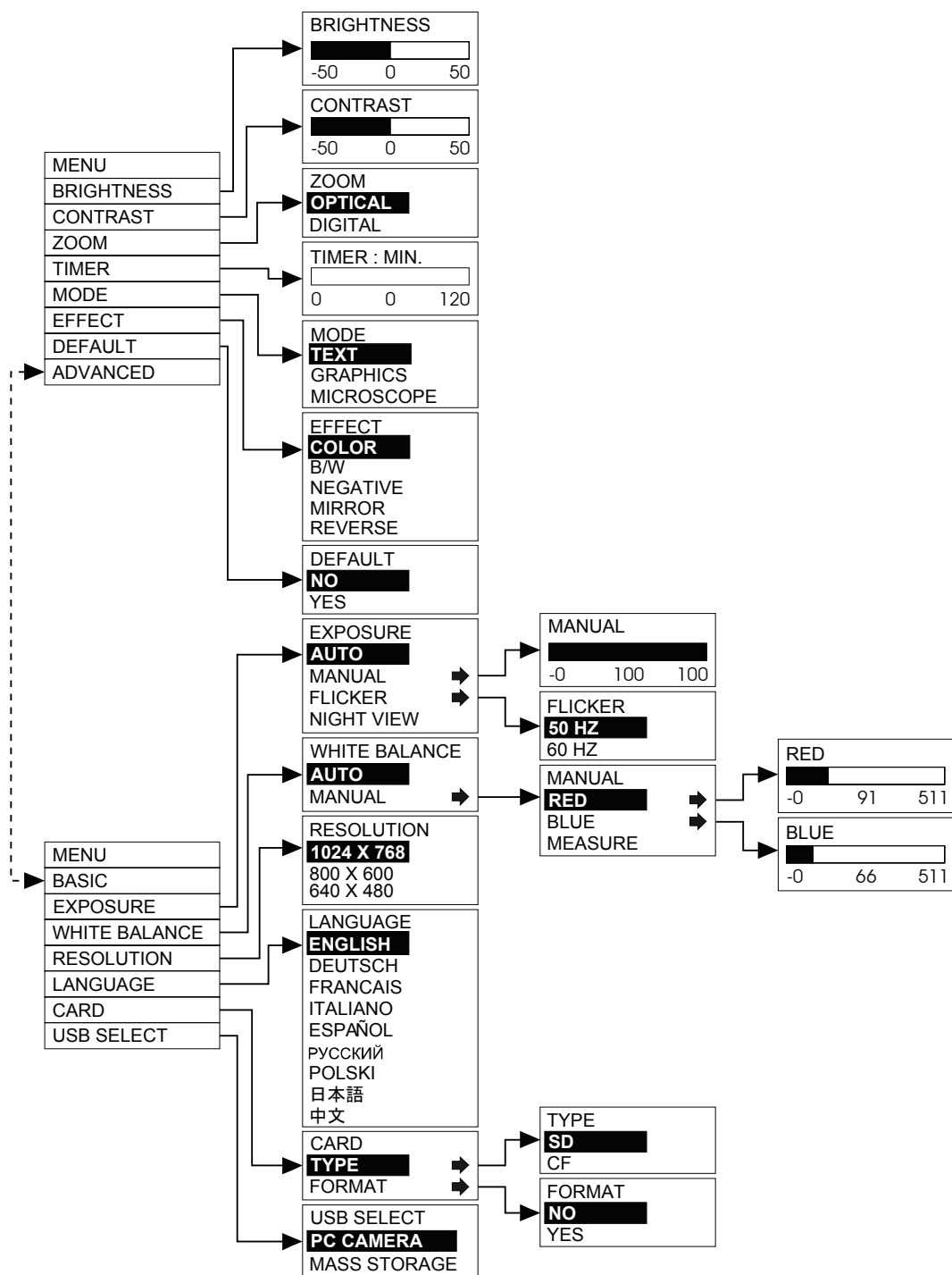
1. To display the previously set time value, press  once. The AVerVision330 automatically converts your settings to “hours:minutes:seconds” format.
2. To start the countdown, press  again.
3. Once the countdown timer starts, you can toggle the countdown screen to display and hide it by pressing .



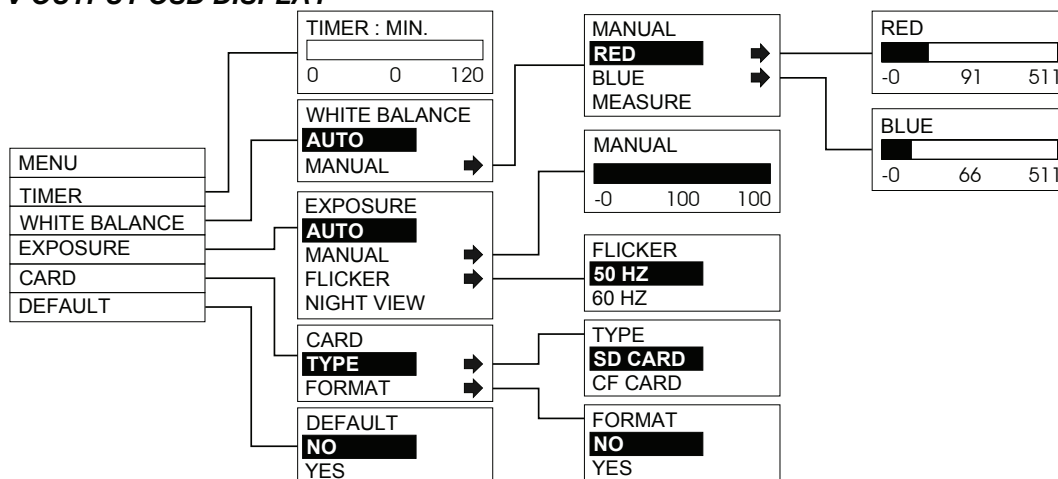


## OSD Navigation Tree

### RGB VIDEO OUTPUT OSD



## TV OUTPUT OSD DISPLAY



## Menu Functions

The AVerVision330 provides MENU functions enabling you to fine-tune your screen display, set the timer, select OSD language and more. Press the **MENU** button to call up and exit from the main menu or sub-menu display. Then use **▲** or **▼** buttons to select the items in the menu list. Use (**►**ENTER) button to enter sub-menu. To adjust the setting, press **◀** or **▶** buttons.

OSD Menu	Description
<b>BRIGHTNESS</b> 	<b>BRIGHTNESS :</b> Press <b>▶</b> or <b>◀</b> buttons to increase or decrease the brightness level and improve the visibility of the image. You can adjust the brightness level up to $\pm 50$ .
<b>CONTRAST</b> 	<b>CONTRAST :</b> Press <b>▶</b> or <b>◀</b> buttons to emphasize or reduce the difference between light and dark conditions. You can adjust the contrast level up to $\pm 50$ .
<b>ZOOM</b> <b>OPTICAL</b> <b>DIGITAL</b>	<b>ZOOM :</b> Use <b>▲</b> or <b>▼</b> buttons to select between Optical and Digital. Optical zoom uses the physical lens inside the camera to achieve the desired magnification, wherein the quality of the image is not affected. When using digital zoom, it interpolates the pixels to enlarge the image, which makes the image a bit blurry.
<b>TIMER - MIN.</b> 	<b>TIMER :</b> Press <b>▶</b> or <b>◀</b> buttons to set a time value. You can set the time value up to 120 minutes. (See Timer Function for more details)
<b>MODE</b> <b>TEXT</b> <b>GRAPHICS</b> <b>MICROSCOPE</b>	<b>MODE :</b> Use <b>▲</b> or <b>▼</b> buttons to select between text, graphics and microscope image enhancement mode. In text mode, the AVerVision330 corrects the intensity of the adjacent pixel making it more uniform producing sharper and clearer images. While in graphics mode, the AVerVision330 adjusts the gradient of the adjacent pixel that appears to have a smooth image. Setting it to microscope mode automatically fixes the optical zoom and displays the microscope image more clearly.
<b>EFFECT</b> <b>COLOR</b> <b>B/W</b> <b>NEGATIVE</b> <b>MIRROR</b> <b>REVERSE</b>	<b>EFFECT :</b> Use <b>▲</b> or <b>▼</b> buttons to display the image captured by the camera into positive (true color), monochrome (black and white), negative, mirrored image, or rotated image by 180°.

OSD Menu	Description
<b>DEFAULT</b> <b>NO</b> YES	<b>DEFAULT :</b> Use ▲ or ▼ buttons to select YES to restore to original factory default setting or NO to keep the current setting.
<b>MENU</b> BRIGHTNESS CONTRAST ZOOM TIMER MODE EFFECT DEFAULT <b>ADVANCED</b>	<b>ADVANCED :</b> Press ► to go to the Advanced menu.
<b>MENU</b> <b>BASIC</b> EXPOSURE WHITE BALANCE RESOLUTION LANGUAGE CARD USB SELECT	<b>BASIC :</b> Press ► to go to Basic menu.
<b>EXPOSURE</b> <b>AUTO</b> MANUAL → FLICKER → NIGHT VIEW <b>MANUAL</b> 0 50 100 <b>FLICKER</b> <b>50 Hz</b> 60 Hz	<b>EXPOSURE :</b> Use ▲ or ▼ buttons to select between Auto and Manual. AVerVision330 allows you to automatically or manually adjust the camera to determine how much light is required. If you choose to manually adjust the exposure, press ► or ◀ buttons to adjust the exposure level. If you are presenting in a low-light condition, enable Night View mode from the remote control, then AVerVision330 automatically adjusts the exposure to compensate the adverse condition but the captured image will appear to be in slow motion.
<b>WHITE BALANCE</b> <b>AUTO</b> MANUAL → <b>MANUAL</b> RED → BLUE → <b>MEASURE</b>	<b>WHITE BALANCE :</b> Use ▲ or ▼ buttons to select between Auto and Manual. AVerVision330 enables you to automatically or manually adjust the camera to suit the lighting condition or color temperature. If you select to manually adjust the white balance, you can adjust the Red, Blue or use the system to measure the color temperature. To obtain a more accurate color balance, place a sheet of white paper under the camera. Select <b>MEASURE</b> then press (►ENTER) button to calibrate the color temperature. Wait until a "MEASURE OK" appears at the lower left corner of the presentation screen.
<b>RESOLUTION</b> <b>1024 X 768</b> 800 X 600 640 X 480	<b>RESOLUTION :</b> Use ▲ or ▼ buttons to choose from 1024x768, 800x600 or 640x480 display resolution then press (►ENTER) to make the selection. This is available only for RGI and DVI-I video output.
<b>LANGUAGE</b> <b>ENGLISH</b> DEUTSCH FRANCAIS ITALIANO ESPAÑOL РУССКИЙ POLSKI 日本語 中文	<b>LANGUAGE :</b> Use ▲ or ▼ buttons to select from different languages then press (►ENTER) to make the selection.

OSD Menu	Description
<b>TYPE</b> <b>CF</b> SD	<b>TYPE :</b> Use ▲ or ▼ buttons to select the source on where to store or view the image.
<b>FORMAT</b> <b>NO</b> YES	<b>FORMAT :</b> Use ▲ or ▼ to select NO to exit or YES to format and delete all the data in the memory source then press (►ENTER).
<b>USB SELECT</b> <b>PC CAMERA</b> MASS STORAGE	<b>USB SELECT :</b> Use ▲ or ▼ buttons to select the USB function between PC Camera and Mass Storage.  When AVerVision330 is connected to PC via USB connection, AVerVision330 can function as PC Camera and Mass Storage device to transfer the captured images to and from the memory source and computer. With the bundled PC Camera application, you may use it to record your presentation in AVI format or capture still image directly to your PC's hard disk.

## Troubleshooting

This section provides useful tips describing how to solve common problems while using the AVerVision330.

### There is no picture on the presentation screen.

1. Check all the connectors again as shown in this manual.
2. Check your display output device remote control's on/off switch.
3. Verify the setting of the display output device.
4. If you are to present using a notebook or computer, you may have to switch the source to VGA.

### I have set up the AVerVision330 and checked all the connections as specified in the manual, but I can not get a picture on the preferred presentation screen.

- Once power is connected. You need to switch AVerVision330 "ON" from the unit to display the picture on the presentation screen.
- The default camera display resolution setting is on 1024x768. If your output device does not support this resolution you will not be able to see an image on your display device. You can simply press the MENU and RIGHT or LEFT button to the increase or decrease the resolution setting.

### The picture on the presentation screen is distorted or the image is blurry.

1. Before doing any adjustments, reset all the picture attributes to the factory default setting (Refer to the Menu Functions, for more details).
2. Each display device is slightly different from another. Use the Positioning and Adjustment Control of AVerVision330 to adjust the picture.
3. Use the Brightness and Contrast menu functions to reduce the distortion.

### There is no computer signal on presentation screen.

When you turn on the computer, it will auto-detect the type of monitor you have. During auto-detection, there won't be any display on your presentation screen. To avoid this problem, connect your computer and all the necessary cables to the AVerVision330 first before you power on your computer.

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